



DERWENT-ACC-NO: 2005-602500

DERWENT-WEEK: 200562

COPYRIGHT 2011 DERWENT INFORMATION LTD

TITLE: **Spam e-mail** blocking method and
system, uses Public Key
Infrastructure

INVENTOR: HONG J C; KIM J H

PATENT-ASSIGNEE: HONG J C[HONGI] , KIM J H[KIMJI]

PRIORITY-DATA: 2003KR-061593 (September 3, 2003)

PATENT-FAMILY:

PUB-NO	PUB-DATE	
LANGUAGE		
KR 2005024765 A	March 11, 2005	KO

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
KR2005024765A	N/A	2003KR-061593
September 3, 2003		

ABSTRACTED-PUB-NO: KR 2005024765 A

BASIC-ABSTRACT:

NOVELTY - A method and a system for blocking **spam** mails using the PKI(Public Key Infrastructure) are provided to block massively and illegally inputted worm or **spam** mails by making a sending/receiving mail agent equipped with the PKI and/or a digital **signature** function certify the mail.

DESCRIPTION - A sender side MUA(Mail User Agent)(115) is equipped with a PKI

processor(110) encrypting a sending mail using the PKI and/or attaching a digital **signature**. A receiver side MUA(145) is equipped with a PKI decoder(155) for certifying validity for the mail sent from the sender side MUA by decrypting the encrypted mail with the PKI and/or certifying the digital **signature** attached to the mail, and blocking the mail that the validity is not certified. A PKI routing server(170) supports routing of encryption and/or decryption processor information equipped with the sender/receiver side MUA.

CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS: **SPAM** MAIL BLOCK METHOD SYSTEM PUBLIC KEY

DERWENT-CLASS: T01 W01

EPI-CODES: T01-D01; T01-N01C; T01-N02B1C; W01-A05A;